

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A recordable optical record carrier comprising an information layer ~~(3)~~ of a recording material for forming marks and lands representing an information, a substrate layer ~~(2)~~ carrying said information layer ~~(3)~~ and a cover layer ~~(5)~~ covering said information layer ~~(3)~~, said substrate layer ~~(3)~~ comprising a radially evolving groove structure filled with recording material, ~~characterized in that~~ wherein said groove structure comprises a main groove ~~(21; 22)~~ divided into two neighboring sub-grooves ~~(211, 212; 221, 222)~~ separated by a barrier ~~(213; 223)~~ wherein the height of said barrier is equal to the height of the substrate between two neighboring main grooves.

2. (Currently Amended) A The recordable optical record carrier

as claimed in claim 1, wherein said barrier ~~(213, 223)~~ is made of substrate material.

Claim 3 (Canceled)

4. (Currently Amended) A The recordable optical record carrier as claimed in claim 1, wherein the recording material is an organic material, in particular a dye, or an anorganic material, in particular a phase-change material.

5. (Currently Amended) A The recordable optical record carrier as claimed in claim 1, wherein the shape of the main groove ~~(21, 22)~~ and the sub-grooves ~~(211, 212; 221, 222)~~ is adapted so as to obtain marks having an essentially oval shape in radial direction ~~(r)~~.

6. (Currently Amended) A The recordable optical record carrier as claimed in claim 1, wherein the width of the sub-grooves ~~(211, 212; 221, 222)~~ in radial direction ~~(r)~~ increases in the direction facing away from said substrate layer ~~(2)~~, in particular having

flank angles (α) in an angle range of 10 to 90°.

7. (Currently Amended) A The recordable optical record carrier as claimed in claim 1, further comprising a metal and/or a dielectric layer ~~(4)~~ between said information layer ~~(3)~~ and said cover layer ~~(5)~~.

8. (New) The recordable optical record carrier of claim 1, further comprising a metal layer between the information layer and the cover layer.

9. (New) The recordable optical record carrier of claim 1, further comprising a metal layer between the substrate layer and the information layer.

10. (New) The recordable optical record carrier of claim 9, wherein the metal follows a contour of the groove structure.

11. (New) The recordable optical record carrier of claim 10, further comprising a dielectric layer between the metal layer and

the cover layer.

12.(New) The recordable optical record carrier of claim 1, further comprising a dielectric layer between the substrate layer and the information layer.

13.(New) The recordable optical record carrier of claim 12, wherein the dielectric follows a contour of the groove structure.

14.(New) The recordable optical record carrier of claim 13, further comprising a metal layer between the information layer and the cover layer.